

magicolor® 3100 Print System



Single-pass, tandem color laser printer
16 ppm color, black and white
1200 x 1200 dpi resolution
Built-in, automatic duplexing



February 23, 2002
magicolor 3100
MINOLTA-QMS



The essentials of imaging

www.minolta-qms.com



basics

Consumables

- Easily accessible, high-capacity consumables

Duplexer

- Automatic duplexing to easily create brochures, newsletters, and reports

Print speed

- simplex: up to 16 ppm color and b&w
- duplex: up to 5 ppm color and b&w

Memory

- 256 MB RAM

Printer emulations

- PostScript® 3, PCL® 6, PDF, HP-GL

Paper size and input

- up to legal (8.5" x 14") through cassette
- up to 8.5" x 35.4" through multipurpose
- 100-sheet multipurpose tray
- 500-sheet cassette

options

Printer management

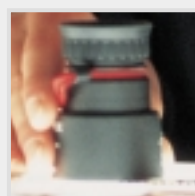
- Internal Hard Disk (up to 2.2 GB)
For fonts and forms storage, job spooling and expanded virtual memory.

Memory

- Upgradeable to 512 MB

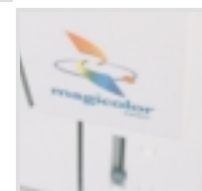
Paper input

- 1,000-sheet high-capacity input feeder



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The speed you need for business



Color Beyond the Limit

The **magicolor 3100** is a tandem color laser printer built to outperform black and white. It can print up to 16 ppm in both full color and monochrome, making it the fastest magicolor laser printer yet. The **magicolor 3100's** performance is the result of an innovative print method called PRISMLASER Technology™ that guarantees speed and precision.

Business Basics

- Built into the **magicolor 3100** is an **automatic duplexer** for convenient, two-sided printing.
- The **magicolor 3100** includes a high-speed, **10/100BaseTX Ethernet®** interface providing seamless access to everyone on the team.
- The **magicolor 3100** holds up to 1,600 sheets of paper with the optional **1,000-sheet high capacity feeder**.
- The **magicolor 3100** supports custom paper sizes from large **banner** (8.5" x 35.4") to small **postcard** (3.5" x 5.5").

Performance a Step Ahead

- **16 color or black-and-white pages per minute**—it's a performance breakthrough in color laser technology.
- The **magicolor 3100** is a smart investment. It can serve as a workgroup's primary printing resource and its daily operating costs are extremely affordable.
- Based on **PRISMLASER** Technology and a **Crown® III** operating system, the **magicolor 3100** delivers accurate, brilliant color fast.

Quality and Reliability

- With its **"tandem"** one-pass technology, the **magicolor 3100** delivers exacting color and reliable performance every time.
- Out of the box, the **magicolor 3100** prints **1200 x 1200 dpi** at full speed to give both general business and specialty documents an outstanding appearance.



magicolor 3100



magicolor 3100 with High-Capacity Feeder



magicolor 3100 Print System – Technical



Printing Process

Print Method: electrophotographic tandem laser

Print Speed (simplex): Up to 16 ppm monochrome and color

Print Speed (duplex): Up to 5 ppm monochrome and color (10 faces/minute)

First Print Output Time: 17 seconds from an idle, ready state

(Exact print speed differs depending on system configuration, software application, driver, and document complexity)

Resolution: 1200 x 1200 dpi

Maximum Duty Cycle: Up to 60,000 pages/month

Hardware and Software Capabilities

Processor Type: QED 7065a R5000 RISC processor, 350 MHz

Memory: 256 MB. Upgradeable to 512 MB RAM

Internal IDE Hard Disk: (optional) Used for fonts and forms storage, job spooling, accounting, and expanded virtual memory—up to 2.2 GB supported

Printer Emulations:

Standard: PostScript 3, PCL 6, PDF (optional internal HDD recommended), HP®-GL, Line printer

Optional: CGM, ImageServer® supports bi-level CCITT Group 3 and 4 compressed TIFF and CALS Raster, PostScript Level 2/CCITT, and high-performance Group 3 and Group 4

Color Support: QCOLOR™ automatic color correction; SWOP, Eurocolor, Commercial press simulations; Built-in Color Rendering Dictionaries; PANTONE® Color tables; ICC-compliant profiles for ColorSync and ICM; Automatic Image Calibration

Interface Support

Simultaneous Interface Operation: All interfaces receive data simultaneously

Standard Interfaces:

CrownNet® for Ethernet (10BaseT/100BaseTX); supports NetWare® IPX/SPX; IPP; TCP/IP; EtherTalk®; OS/2 LAN Manager/LAN Server NetBEUI/NetBIOS; Windows® 95/98/Me/NT/2000/XP NetBEUI/NetBIOS

Bidirectional IEEE 1284 parallel: supports Microsoft® 'Plug and Play'

USB 1.1: supports Windows 98/Me/2000/XP, Mac OS 9, OSX

Optional Interfaces: CrownNet for Token-Ring (STP and UTP), CrownNet for Ethernet (10BaseT/100BaseTX), SCSI (for connection of an external hard drive)

Optional IBM® Interfaces: Ethernet, Token-Ring, Coax, or Twinax for IBM IPDS; Coax or Twinax for non-IPDS (SCS)

Paper Handling

Paper Sizes Support:

Standard cassette: Letter, A4, Legal, Executive, A5, B5 (JIS), Folio

Multipurpose tray: Letter, A4, Legal, Executive, Statement, A5, B5 (JIS), B5 (ISO), Folio; Com10, DL, Monarch, C5, and C6 envelopes;

Custom paper sizes from 3.5" x 5.5" (89 mm x 140 mm) up to 8.5" x 35.4" (216 mm x 900 mm)

High-capacity feeder (optional): Letter, A4, Legal, Executive, A5, B5 (JIS), Folio

Standard Paper Input: 500-sheet cassette, 100-sheet multipurpose tray

Features at a Glance

Features/Model	magicolor 3100 DN
Print Speed - Monochrome	up to 16 ppm
Print Speed - Color	up to 16 ppm
Resolution	1200 x 1200 dpi
RAM Memory	256 (max. 512 MB)
IDE Hard Disk (minimum 1GB)	○
10BaseT/100BaseTX Ethernet	●
500-Sheet Input Cassette	●
100-Sheet Multipurpose Tray	●
1,000-Sheet Input Feeder	○
Automatic Duplexing	●
○ Optional ● Standard	

Optional Paper Input: 1,000-sheet high-capacity input feeder

Paper Output: 250-sheet face-down output bin

Duplexing: (standard) automatic

Printable Area: .16" (4 mm) from all edges

Maximum printable area: 8.18" x 35.12" (207.9 x 892 mm)

Print Media: Plain paper, transparencies, laser-quality labels, glossy stock, thick stock, Com10, DL, Monarch, C5, and C6 envelopes. Duplexing on plain paper only

Paper Weights: Standard Cassette: 16-28 lb. Bond (60 to 105 g/m²)

Multipurpose tray: 16-20 lb. Bond (60 to 85 g/m²), up to 80 lb. Cover/110 lb. Index (216 g/m²)

Banner Printing Paper Sizes: Up to 8.5" x 35.4" (216 mm x 900 mm)

Banner Printing Paper Weights: For media lengths from 14" to 35.4" (355.6 to 900 mm) 20-28 lb. (64 to 105 g/m²)

Auto Duplex Paper Sizes: minimum: A5 (149 mm x 210 mm), maximum: legal (8.5" x 14", 215.9 mm x 355.6 mm)

Auto Duplex Paper Weights: 20-28 lb. (64 to 105 g/m²)

Physical

Type: Laser printer with internal controller

Dimensions (W x D x H):

17.3" x 25.1" x 17.5" (439 x 638 x 445 mm)

Weight: w/o consumables - 64.2 lbs. (29.2 kg), w/ consumables - 76.8 lbs. (34.9 kg), as shipped - 101.2 lbs. (46 kg)

Electrical

Power Requirements:

100V/120V Models: 90-140 VAC, 50/60 Hz, ± 3%

220/240V Model: 198-264 VAC, 50/60 Hz, ± 3%

Power Consumption: Operating: 850 W maximum, 450 W average

Energy Star® Compliant: 27.1 W

Environmental

Temperature Requirements: Operating: 41° to 89.6° (5° to 32° C)

Non-Operating: -2° to 104° (-20° to 40° C)

Humidity: Operating: 15 to 85% RH, non-condensing

Non-Operating: 5 to 85% RH, non-condensing

Noise Level: Operating: <55 dBA; Standby: <35 dBA

Regulatory/Safety Conformity

UL, cUL, FCC-B, DOC, CDRH, CE Marking, C-Tick

Consumables

A complete set of consumables is included with the magicolor 3100

Monocomponent toner cartridges

Black toner yields: up to 8,500 pages @ 5% coverage

Cyan, magenta, yellow toners yield: up to 6,000 pages @ 5% coverage

Other supplies: Transfer unit, imaging unit, fuser kit

The stated life expectancy of each consumable in your printer is based on printing under specific operating conditions such as page coverage for a particular page size (5% coverage of letter/A4). The actual consumables life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous (average of 4 pages/job) or intermittent (1 page/job) printing, number of color planes, ambient temperature and humidity.

Typefaces

137 resident PostScript fonts, 89 PCL fonts, 40 HP-GL fonts, Kanji font options

Warranty

1 year



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* The addition of some options, in some combinations may cause the product to become non-compliant. Energy Star compliance does not represent an EPA endorsement of any product or service.

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